

The Knowledge Bank at The Ohio State University

Ohio State Engineer

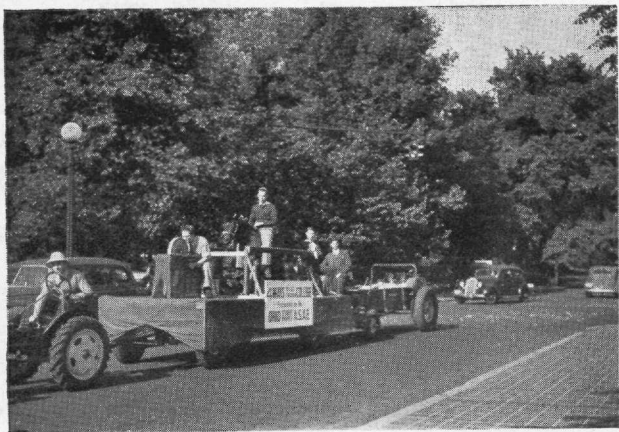
Title: Engineers' Day

Issue Date: 1942-05

Publisher: Ohio State University, College of Engineering

Citation: Ohio State Engineer, vol. 25, no. 6 (May, 1942), 10-13.

URI: <http://hdl.handle.net/1811/35855>



AGRICULTURAL ENGINEERS

Show four ways to get through college—nose to grindstone, riding pony, apple polishing, and spreading it thick.

HISTORY

The exhibits for the first Engineers' Day, which was held on the campus 21 years ago, were shown in a Chatauqua tent at the south end of the Quadrangle. Dean Hitchcock came to The Ohio State University in 1920 and was instrumental in initiating Engineers' Day presented for the first time in the following year. Another Engineers' Day followed in 1922 but it was decided that the celebration would be held biennially after that.

As years have passed, more and more activities have been added to the campus celebration until now the occasion is enjoyed by not only engineering students but by other college students on the campus as well. Without exception, the departments of the College of Engineering design floats for the parade or prepare exhibits and demonstrations in their laboratories. The R. O. T. C. Corps of Engineers generally present something unusually interesting and this year's demonstration promises to be an exceptionally good one. Some of the latest (but not late enough to enlighten the Axis) military tactics and equipment will be demonstrated. Perhaps the most spectacular of all the events of Engineers' Day is the parade of floats around the Oval.

This, the twelfth celebration will start its activity at noon, Friday, May 15, and end Saturday night with the Quadrangle Jesters' stage production in University Hall, "Charley's Aunt." Let's all get together and make this year's Engineers' Day the best ever.

Roy Dahmer.

PROGRAM

Registration and information ——— Chemistry Building

ENGINEER

The Tradition

Sponsored by

MAY 15

College

THE OHIO STATE UNIVERSITY

Open To The Public

FRIDAY, MAY 15

Departmental Exhibits and Open House—11:00 a. m.—10:00 p. m.

Civilian Defense Lecture by Prof. J. R. Shank in University Hall, 11:00 a. m.

Liquid Air Demonstration by Prof. Alva Smith in Mendenhall Laboratory at 2:15 p. m.

Address to Students by Junior Dean W. D. Turnbull in University Hall, 1:15 p. m.

Actual Calculations in the Erecting of a Curve in a Railroad Track, Brown Hall, 3:00 p. m.

PARADE OF FLOATS ————— 3:45 p. m.

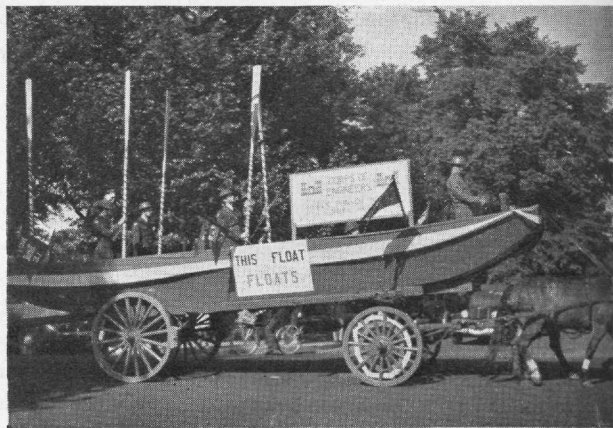
Presentation of Awards for Best Floats in Front of Administration Building, After Parade.

Movie "Metal Crystals" in Lord Hall, 7:00 p. m. and 8:00 p. m.

Liquid Air Demonstration by Prof. Alva Smith in Mendenhall Laboratory at 8:00 p. m.

SATURDAY, MAY 16

Open house in All Departments, 8:00 a. m.—12:00 noon
QUADRANGLE JESTERS present "Charley's Aunt" at University Chapel, 8:15 p. m.



Corps of Engineers R. O. T. C.—An old model wooden ponton used to construct floating bridge.

THE OHIO STATE ENGINEER

RS' DAY

Biennial Program

Engineers' Council

and 16, 1942

Engineering

STATE UNIVERSITY

OHIO

Everyone Welcome

Floats—

The Engineers' Council will award trophies for the two best floats.



Radial Engine
in
Mechanical
Engineer-
ing Lab.

SPECIAL DEPARTMENTAL EXHIBITS

Prizes—

The cups for the two best exhibits and demonstrations are donated by Tau Beta Pi and Texnikoi and will be presented to the winning departments just before Quadrangle Jesters present their Annual Production.

MILITARY

Armory

Corps of Engineers—Society of American Military Engineers will act as guides.

Water purification unit.

Map reproduction unit.

Earth auger.

Air compressor unit with air driven saw, drill, hammer, etc.

10-ton ponton equipage.

Footbridge across and assault boats in cooling pond behind Brown Hall.

Barbed Wire entanglement.

Full soldier outfit.

Demolitions equipment.

Jeeps.



Chemical Engineers' Float of Past Engineers' Day

Signal Corps

SCR-131 Short range radio receiver and transmitter.

SCR-161

SCR-194 "Walkie-Talkie" radio set.

BC-153 Wavemeter.

TG-5-A Portable telegraph set.

EE-1-A Buzzer phone.

BD-71 Portable field switchboard.

EE-8-A Field type telephone.

BD-61 Power panel.

PE-43 Gasoline motor generator set.

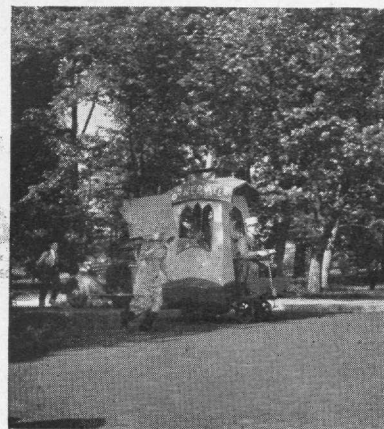
TE-33 Pliers and knife set.

EE-65 Portable line testing set.

MECHANICAL ----- Robinson Laboratory

Continuous operation of all steam engine equipment, Ford V-8 engine on electric dynamometer, chassis dynamometer, steam turbine generator, water wheels, wind tunnels, fans, metal testing, and exhibits of mechanisms and models.

*Editor's Note:
All pictures on
page 10 to 14 are
of actual activities
of students of The
College of Engineering
of The Ohio State University.*



Electrical Engineers'
"Toonerville Trolley"



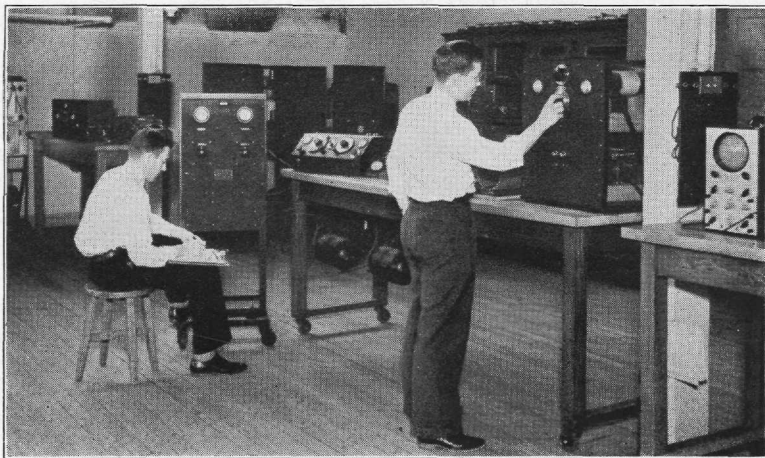
Civil Engineer Summer Camp

CIVIL Brown Hall
Solar observations at various times during the day.
Civil exhibits in Brown Hall.

ENGINEERING EXPERIMENT STATION
Big testing machines on first floor of station only.

CERAMIC Lord Hall
General Open House.

MINERALOGY Lord Hall
Specimens of the minerals which are used as ores
of the common metals, iron, lead, zinc, copper,
nickel, aluminum, and tin.



Electrical Engineering Communications Lab

ENGINEER

Department

May 15 a

METALLURGY Lord Hall
General Open House.

ARCHITECTURE Brown Hall
Display of paintings and drawings concerning defense and war.

INDUSTRIAL Industrial Engineers' Building
Students at work in foundry, machine shop, and welding shop Friday evening. The foundry will pour.



Industrial Engineering Foundry Lab

PHYSICS Mendenhall Laboratory

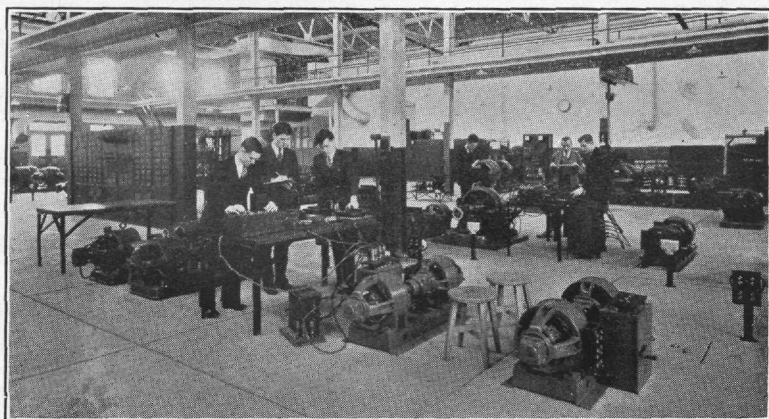
Polarized light.
Fluorescence and phosphorescence.
Gyroscopes.
Stroboscopic effects.
Oscillograph—see your voice.
Sound level meter.
Spectra and optics.
Bernoulli's principle.
Photo-thermoelectric effects.
Lecher Wires—radio waves.
Magnetic effects.
Tesla coil—150 cm. spark.
Research Equipment—Supersonics, Magnetostriction oscillator, Beta-ray spectrograph, Cloud chamber, Vacuum spectrograph, Infra-red spectrograph, concave grating, X-rays.
Cyclotron—Experiment station.

THE OHIO STATE ENGINEER

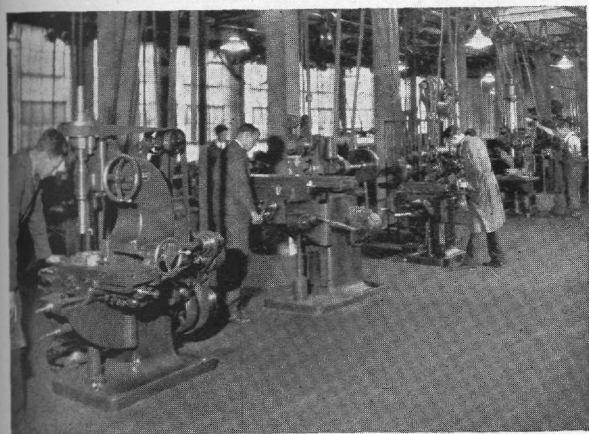
ERS' DAY

Exhibits

16, 1942



Electrical Engineering Power Lab



Industrial Engineering Machine Shop

CHEMICAL ----- Chemistry Building

Exhibits—10:00 a. m. to 10:00 p. m.

Plate Column Still.

Packed Column Still.

Triple Effect Evaporator.

Filtration Equipment.

Dryers.

Crushing, Grinding and Separating Equipment.

Oil Testing Equipment.

Knock Tester for Gasoline.

Centrifugals.

Extraction Equipment.

Cottrell Precipitation of Smokes, etc.

ELECTRICAL ----- Robinson Laboratory

The Tin Man.

Personality Meter.

Ring Toss.

Tesla Coil.

Talking Light Beam.

Cathode Ray Voice Analysis.

Induction Frying Pan (Eggs fried over a cake of ice).

Induction Furnace.

Levigator (Objects supported in mid-air by induction).

Illuminations Display.

Communications Display.

Dynamometer Demonstration.

Bucking Motors.

Edison Generator.

Synchronization Demonstration.

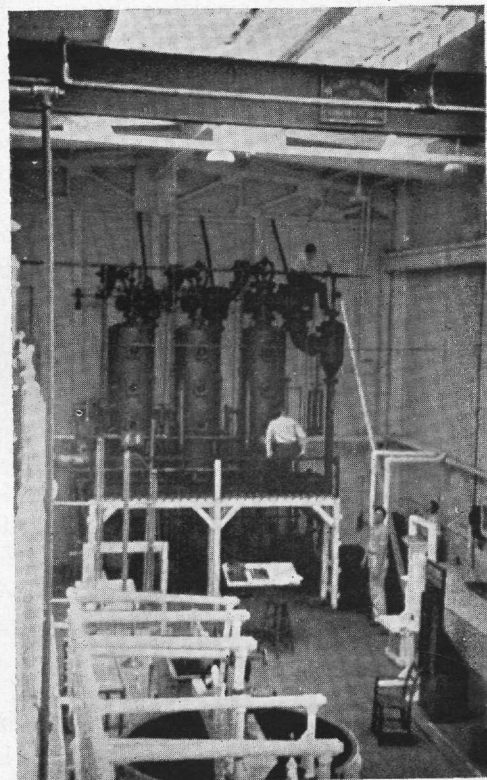
Strobotac Demonstration.

Special Exhibit, continuous through evening.

High Voltage Demonstration (Corona and Halo effects).

PHOTOGRAPHY ----- Brown Hall

The photography department will display all types of equipment and films. All displays in Room 2, Brown Hall.



Chemical Engineering Triple Effect Evaporator